

Mobile & Wireless Roundup #11

By Zahid Ghadialy

Welcome to the 11th edition of this newsletter. This week was a tough one where I was busy managing my house construction project as well as concluding another little consultancy project. We also finalised the [agenda](#) for 'Making Smart Devices Smarter!', our next CW (Cambridge Wireless) [Future Devices & Technologies group](#) event on 6th Oct in London. Finally, I am working on a presentation on 'The role of 5G and Other Connectivity Options in Healthcare' for [One Nucleus](#) on 5th Oct in Cambridge. If you have ideas on the healthcare topic, would love to discuss 😊.

For those of you who don't know me, I am a technologist with over 23 years' experience in mobile wireless technology, currently working as an independent analyst, consultant and a trainer. This newsletter is a summary of my posts and others news that caught my attention since the last newsletter.



🕒 6G

- Free 6G Training: Non-Terrestrial Networks (NTN) & Satellites - Taking 6G to the Stars ([link](#))
- 6G World: Not Grounded, In Reality. Open RAN & NTN Take Off As 6G Develops ([link](#))

🕒 5G

- The 3G4G Blog: Is there a compelling Business Case for 5G Network Slicing in Public Networks? ([link](#))
- Managing 5G Signalling Storms with Service Communication Proxy (SCP) ([link](#))
- A simple guide by UK5G: 'Creative Industries: An Introductory Guide to Uplink & Downlink' ([link](#))
- Fierce Wireless: CBRS riles folks on various sides of spectrum debate ([link](#))
- Gabriel Brown, Light Reading: Why is 5G SA taking so long? ([link](#))
- Ericsson's Massive MIMO handbook 2022, First edition extended ([link](#))

- Dish Wireless explains Network Slicing Attributes for Enhanced Policy Management and Control with real world policy management examples ([link](#))
- OpenSignal: 5G Global Mobile Network Experience Awards 2022 ([link](#))
- Light Reading: Charter exploring converged core, based on 3GPP, that can manage wired networks ([link](#))
- CCS Insight: Why NR-Light Is a Big Deal for 5G ([link](#))

🕒 4G/LTE

- Operator Watch Blog: Iraqi Operators Trying to bring 4G/LTE to the Masses ([link](#))
- ICYMI: ITU Workshop on "Protocol Enhancements for IMS to be used in LTE/IMT-2020 Networks and Beyond" ([link](#)) highlights the problems with VoLTE Emergency Calls ([Tweet](#) by Rudolf van der Berg)
- Comms Update: Banglalink launches 4G in 2300MHz band ([link](#))

🕒 2G/3G

- Claro, Colombia is now expecting to switch off 2G network in Feb 2023 ([link](#))

🕒 Open RAN

- Senza Fili: The Open RAN ecosystem gathers steam ([link](#))
- Light Reading: Telenor says open RAN window is shrinking ([link](#))

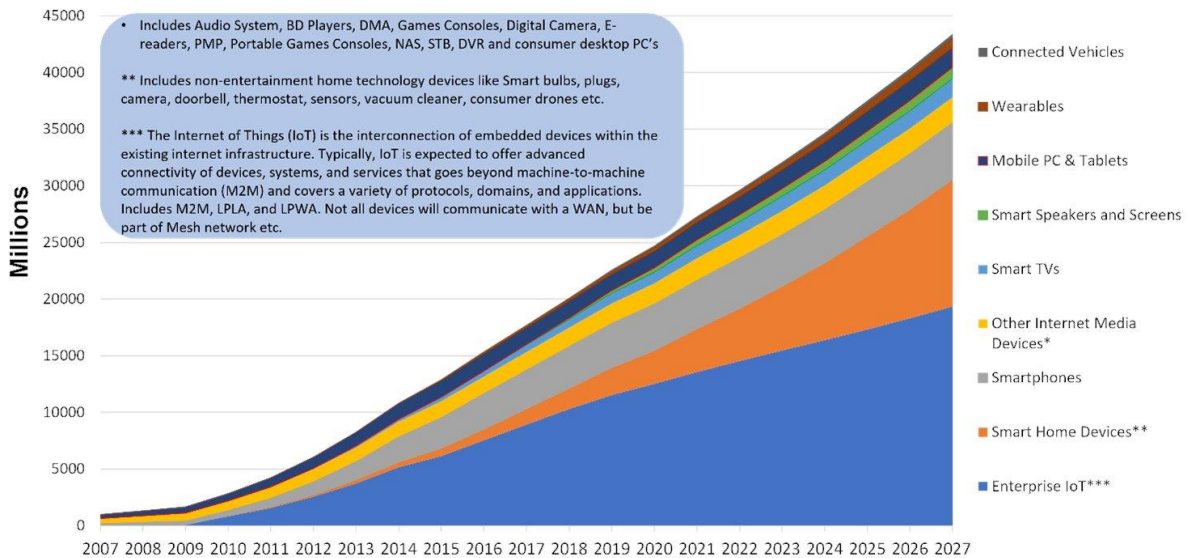
🕒 Private Networks

- Enterprise IoT Insights: MTN building private 5G networks for ports, mines in South Africa ([link](#))

🕒 IoT / M2M

- In 2021, more than 27bn Connected & IoT devices were deployed globally, expected to reach nearly 45bn by 2027 and 50bn by 2030. Enterprise IoT is the largest sector but the fastest growth in the coming years is expected to come from the Smart Home industry. ([Tweet](#))

Global Connected and IoT Device Installed Base Forecasts



☉ Cloud & Edge

- How can 5G and related standards help harmonise and enable technologies like edge computing and artificial intelligence to work together much more efficiently ([link](#))
- The promise of edge computing and AI comes down to data ([link](#))
- The Register: Datacentre outages are costing more, \$1m+ failures now common ([link](#))

☉ Security & Privacy

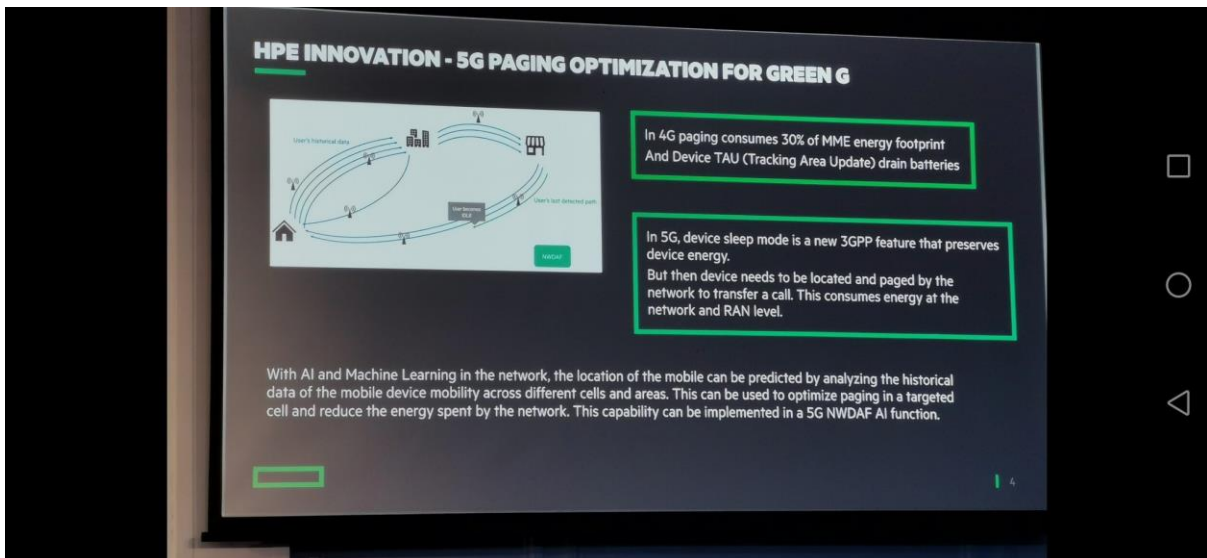
- 5G Americas: Progress made on 5G security capabilities ([link](#))

☉ Connected And Autonomous Vehicles (CAVs)

- Mobile Syrup: The future of 5G connected vehicles in Canada ([link](#))

☉ Artificial intelligence & Machine Learning

- Graziano Catucci, Chief Technology Architect, HPE, says 30% energy usage of an MME is from paging user devices for their location. Investigating if can instead use AI/ML to predict user location. ([Tweet](#) by Keith Dyer)



🕒 Satellite Connectivity

- MWL: Lynk wins FCC approval for satellite-to-phone service ([link](#))
- Ookla: Starlink Slowed in Q2, Competitors Mounting Challenges ([link](#))
- Time: Elon Musk Enters In-Flight Wi-Fi Market With Small Satellites ([link](#))

🕒 Wi-Fi

- Phil Solis: "Add Dominican Republic to the growing list of countries opening up the 6GHz band for unlicensed use. The potential for Wi-Fi 6E and Wi-Fi 7 is growing." ([Tweet](#))
- Electronics Notes: What is a Wi-Fi Mesh Network ([link](#))
- Ancient Wi-Fi 📶 ([Tweet](#))



🕒 Other News and Technology Stuff

- Three UK infrastructure for the funeral of Her Majesty Queen Elizabeth II with a sophisticated cellular capacity solution ([Tweet](#))
- Electronic Notes: What are Collinear antennas ([link](#))
- Krebs on Security: Say Hello to Crazy Thin 'Deep Insert' ATM Skimmers ([link](#))
- The Guardian: Bug in iPhone 14 Pro Max causes camera to physically fail, users say ([link](#))
- Light Reading on Digital Transformation World (DTW) 2022: Telecom fear and loathing in Copenhagen ([link](#))

🕒 **Picture of the week:** Arsonists burn a mast in Loenen, The Netherlands ([link](#)). The same mast also burned down last November ([link](#)). People who still believe 5G is a conspiracy or dangerous to health may want to check out the extensive resources we have collected on 3G4G page [here](#).



Happy to hear your thoughts. Feel free let me know what worked, what didn't, how I can make this better, etc. Get in touch over LinkedIn!